MIT's Oldest and
Largest Newspaper

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The Tech
Established 1881

Volume 141, Number 11

Thursday, April 29, 2021

WEATHER, p. 4
THU: 56°F | 49°F Chance Showers.
FRI: 64°F | 43°F Chance Rain.
SAT: 62°F | 45°F Mostly Sunny.

SHINJINI GHOSH—THE TECH

Day breaks over the Charles River, but will MIT students ever get a break one day?

MIT plans to hold on-campus celebration for Classes of 2020 and 2021 next spring semester

Virtual Commencement in May will be supplemented with smaller virtual and in-person events and photos

By Grace Song
ASSOCIATE NEWS EDITOR

Chancellor Cynthia Barnhart PhD '88 wrote an email to graduating students on April 23 confirming a virtual Commencement for May 2021 as well as announcing the holding of an "in-person, on-campus celebration" May 2022 for both the Class of 2020 and the Class of 2021.

Members of MIT's administration considered complementing the virtual OneMIT ceremony with an in-person celebration as vaccination rates increase and Massachusetts state restrictions ease. However, while the state has extended size limits for commencement gatherings, Barnhart wrote that the City of Cambridge has not.

"Any large ceremony held this spring would be diminished by restrictive guest policies, physical distance and face covering requirements, time limits, and other health precautions, and by definition would not be the kind of meaningful, joyful, and spontaneous send-offs you and your loved ones have imagined," Barnhart wrote.

Members of the Classes of 2020 and 2021, along with their families and friends, will be invited back to campus May 2022 instead. The precise date and activities will be decided by the Commencement Committee, Alumni Association, and student leaders, who will be "working together to collect input from

Commencement, Page 3

Graduate students with US-based appointments expected to return by summer or fall, Waitz writes

Decisions on remote coursework made by departments

By Kristina Chen
EDITOR IN CHIEF

MIT expects graduate students with U.S.-based appointments to return to the U.S. before their appointments begin, so that they can conduct the appointments from inside the U.S., Vice Chancellor Ian Waitz wrote in a March 23 update.

Some graduate students will be expected to return during the summer by June 1, while most will be expected to return for the fall by September 1.

A limited exceptions process will be in place for the summer, and "if needed, … an even more limited process for the fall," Waitz wrote. Requests for exceptions must be submitted six weeks in advance of the anticipated start date.

Exceptions will be considered in the case of visa delays, travel bans, border closures, and other COVID-19 related factors or if the student or a household member have health conditions that would prevent travel to the U.S., according to an FAQ on graduate student appointments. Additionally, for remote appointments to be approved, students must meet a set of eligibility criteria including good academic standing, being

Appointments, Page 3

IN SHORT

Drop date is April 29. It is also the last day to change a full-term subject from credit to listener or to or from PE/NE grading.

Pre-registration for the summer session and fall term begins May 3.

For sophomores ordering brass rats, **ring sales** end May 15. More information can be found at *brassrat2023.mit.edu.*

MIT community members living in Massachusetts should **pre-register for COVID-19 vaccines** and update their vaccine status at *covidvaccine.mit.edu.*

Interested in **joining *The Tech*?** Email *join@tech.mit.edu.*

Send news and tips to *news@tech.mit.edu.*

MIT to apply for federal funding from Higher Education Emergency Relief Fund

MIT will apply for $16.4 million in federal funding that it is eligible to receive through the Higher Education Emergency Relief Fund (HEERF), according to an April 15 update on the MIT Now site.

A minimum amount of the HEERF program's award for higher education institutions must be allocated to student aid; MIT estimates that at least 4,000 undergraduate and graduate students will "receive need-based financial support thanks to the" HEERF program, according to the update. MIT is "working on exactly how" it plans to allocate the funds and that the Institute's priorities are "need-based grants to students and stipends for graduate students whose research, including field work and other degree requirements, was interrupted" by COVID-19, according to the update.

Of the total award provided to higher education institutions by the HEERF program, a minimum amount must be allocated to student aid.

In June 2020, MIT chose not to apply for HEERF funding in the first iteration of the program, citing the "unwarranted and sometimes inaccurate attacks on the program" while stating that "these Congressional funds would have been a help at a time when the Institute has already shouldered more than $50 million in Covid losses."

HEERF was first established in March 2020 as part of the Coronavirus Aid, Relief, and Economic Security (CARES) Act, which allocated approximately $14 billion total in funding for higher education institutions.

HEERF II and HEERF III, continuations of HEERF, are included in the Coronavirus Response and Relief Supplemental Appropriations Act (CRRSAA), a supplement to the CARES Act signed into law in December 2020, and the American Rescue Plan (ARP), signed into law in March 11, respectively. CRRSAA will provide an additional $21.2 billion and the ARP will provide around $40 billion in funding to higher education institutions.

— Kristina Chen

VACCINE REQUIREMENTS

A fully vaccinated student body will ensure that our campus is safe. **OPINION, p. 2**

ME VS. ME

The me who could stay with my friends versus the me who could drop everything and go abroad. **CAMPUS LIFE, p. 8**

PNR

Interlude. **FUN, p. 5**

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EDITORIAL

MIT should require all students to be vaccinated against COVID-19 this fall

Requiring students to receive vaccines will protect our campus

By *The Tech* Editorial Board

Hoping to resume full academic and research activities and invite all students to campus for Fall 2021, MIT has a significant amount of planning in store for the coming months, and in the backdrop of the ongoing pandemic, it’s clear that this planning will largely depend on the efficacy of COVID-19 vaccines and the large-scale vaccination of the MIT community. With a safe return to campus and the health of community members at stake, MIT should make a commitment to our wellbeing by requiring all students to be vaccinated in the fall.

> **Over 30 colleges in the U.S. have already announced that they will be requiring students to receive COVID-19 vaccines.**

Over 30 colleges in the U.S. have already announced that they will be requiring students to receive COVID-19 vaccines — including public universities in Massachusetts and peer private institutions like Brown, Stanford, and Yale — with more expected to follow. MIT has both the means and sufficient reason to require student vaccinations as well.

All undergraduate and graduate students registered full-time for school in Massachusetts are currently required to receive TDAP (tetanus, diphtheria, and pertussis), hepatitis B, MMR (measles, mumps, and rubella), varicella, and meningococcal vaccines, with medical and religious exceptions permitted. While these vaccines are state-mandated and the COVID-19 vaccine is not, in Fall 2020, the state also required all students attending school in Massachusetts to receive a flu vaccine. Although Massachusetts exempted students who were off campus and engaged in fully remote learning from this requirement, MIT Medical Director Cecilia Stuopis announced that all MIT students, whether on or off campus, were required to be vaccinated against the flu in order to register for a second semester of classes. From this precedent, it is evident that MIT can and is willing to go beyond the vaccination requirements of the state in order to ensure the safety of its community members.

MIT should also plan to help vaccinate students who are unable to receive COVID-19 vaccines in the countries or communities where they currently reside. Whether this requires MIT to receive doses from the state of Massachusetts to administer to these students once the state population is more widely vaccinated or to set up appointments for students at other vaccination sites once they arrive on campus, by ensuring that these students can be vaccinated, MIT will strengthen the level of protection in our community and promise greater safety to students who are placing their trust in MIT’s planning by returning to college amidst a pandemic. In addition, MIT should continue to provide exemptions to students who cannot receive a vaccine for medical or religious reasons as well as to younger students for whom a vaccine may have yet to be approved.

The COVID-19 vaccines also differ from the already required vaccines in that they have been approved for distribution through Emergency Use Authorization (EUA), rather than the full Food and Drug Administration (FDA) approval process. Even so, the FDA has stated that the COVID-19 vaccines have been developed and rigorously tested using non-clinical, clinical, and manufacturing data. Multiple organizations considered to be public health authorities or respected scientific institutions have also attested to the benefit of these vaccines during the ongoing pandemic, including the Centers for Disease Control and Prevention, the World Health Organization, and MIT itself.

> **MIT should also plan to help vaccinate students who are unable to receive COVID-19 vaccines in the countries or communities where they currently reside.**

MIT’s position among these scientific institutions further emphasizes the importance of requiring MIT students to be vaccinated. Given its mission of advancing knowledge and educating students in science and technology, the Institute cannot deny the legitimate scientific research behind the development and efficacy of the vaccines, some of which was done in labs on MIT’s own campus. Requiring students to receive the vaccine would demonstrate that MIT has faith in this science. It would also address concerns of students and other community members hesitant to receive the vaccine, who would see that a credible institution like MIT has emphasized the importance of vaccinations and acknowledged the safety they provide.

> **As students ourselves, we will also feel much safer returning to a campus where our classmates are vaccinated against COVID-19.**

Additionally, knowing that a significant fraction of the community will be vaccinated will allow MIT to more effectively plan for the fall. Rather than wait for more than 10,000 students to attest that they have been vaccinated and make alternate plans in the case that many aren’t, MIT should aim to operate under the assumption that all undergraduate and graduate students will be vaccinated. Planning with this knowledge will make a safe return to dorms, labs, and classrooms far more feasible and reduce the number of variables involved in decision-making. For staff and faculty members who frequently engage with students, while vaccinations do not guarantee complete immunity, they will provide greater peace of mind during interactions necessary for classes and residential life, especially for staff and faculty who have vulnerable family members or children who cannot receive a vaccine. As students ourselves, we will also feel much safer returning to a campus where our classmates are vaccinated against COVID-19.

We appreciate the Institute’s efforts to invite thousands of students back to campus in the fall and understand the breadth of considerations that need to be made for this plan. Thus, to facilitate planning and to better ensure a safe and successful fall semester, MIT should require all undergraduate and graduate students to receive a COVID-19 vaccine. We are all excited to be back under the dome, and we hope that MIT can fulfill this promise while also keeping our community safe and healthy.

Editorials are the official opinion of The Tech. *They are written by the Editorial Board, which consists of Publisher Joanna Lin, Editor in Chief Kristina Chen, Managing Editor Chloe McCreery, Executive Editor Wenbo Wu, and the opinion editor, a position that is currently vacant.*

```
from new_skills import *█

def learnMarketableJobSkills():
    return linux, OSX, javascript, applescript, perl, python, PHP

if self.interest == True:
    print "E-mail join@tech.mit.edu"
```

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Most of Class of 2021 survey respondents prefer ceremony with guests in May 2022

Commencement, from Page 1

graduates and staff," according to Barnhart.

Graduating students can also expect smaller virtual and in-person events to supplement the online ceremony, as well as opportunities for photos on Killian Court. Information on online Commencement including cap and gown orders can be found in the Class of 2021 FAQ.

Barnhart wrote, "Covid-19 has taken away a capstone moment of recognition and close celebration with family and friends — for now. We will do our best to make that right by inviting 2021 and 2020 graduates back to campus next spring."

Earlier in April, the 2021 Class Council surveyed the Class of 2021 about potential commencement ceremony formats. The two options presented in the survey were a socially distanced in-person celebration in May 2021 on Killian Court limited to graduating seniors or the traditional in-person ceremony in May 2022 that Barnhart announced.

The responses to the survey were shared to the Class of 2021 in an email from Ashley Pearson '21, member of the 2021 Class Council. Of the 535 survey respondents, more than 400 either slightly or strongly preferred the May 2022 option. More respondents indicated that they would be able to attend a ceremony in May 2022 than in May 2021.

The biggest factors influencing whether respondents could attend either ceremony were work or career obligations and the state of the pandemic. When asked about aspects that would be incorporated in an ideal ceremony, a majority of respondents indicated that being able to celebrate with all or most of their class, and family's and friends' ability to attend were extremely important to them.

Undergraduates not in US not eligible for paid UROP

Appointments, from Page 1

able to perform duties remotely, supervisor permission, and funding availability.

Appointments for students who remain abroad will be modified in some way "which may include a change in funding source, a conversion of an RA/TA appointment to a non-service fellowship appointment, or a conversion to non-paid status." Departments will be expected to cover the costs that accompany these modifications.

Students for whom returning to the U.S. would pose significant financial hardship are able to apply to the Graduate Student Short Term Emergency Hardship Fund.

Waitz also outlined MIT's plans regarding remote coursework for graduate students. Because MIT plans to resume full academic and research activities by September, it is MIT's "hope and expectation that all new and continuing students will arrive at MIT before the start of their programs."

Decisions on offering remote coursework will be made at the department or program level, and departments were asked to communicate their decisions directly to their students before April 15.

Undergraduates not physically located in the U.S. during the summer or fall will not be able to take part in paid UROPs or other hourly wage opportunities. They may participate in credit-only UROPs, for which tuition will be waived due to challenges related to the pandemic.

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WEATHER

April showers bring — you know the drill

By Sarah Weidman
and Conrad Goffinet
STAFF METEOROLOGISTS

With the exception of a few rainy and cloudy days (and one day of snow), this past April has been filled with reasonably pleasant weather. We finish the month with uncertainty as a set of warm and cold fronts drift over the region. There could be periods of rain or showers throughout the next two days, but even our local NWS forecasting office is uncertain of when or how much rain will arrive. Bring your umbrella, just in case!

Luckily, we expect to see some beautiful weather return for the start of May. This weekend, expect partly cloudy skies and warming temperatures. As temperatures start to warm up, expect thick green leaves to replace the beautiful flowers on trees lining the sidewalks throughout the city. The Boston Public Garden is also celebrating spring with thousands of blooming tulips. The tulips should be at peak bloom for another week or so; if you can, enjoy the nice weather this weekend with a walk into Boston!

Extended Forecast

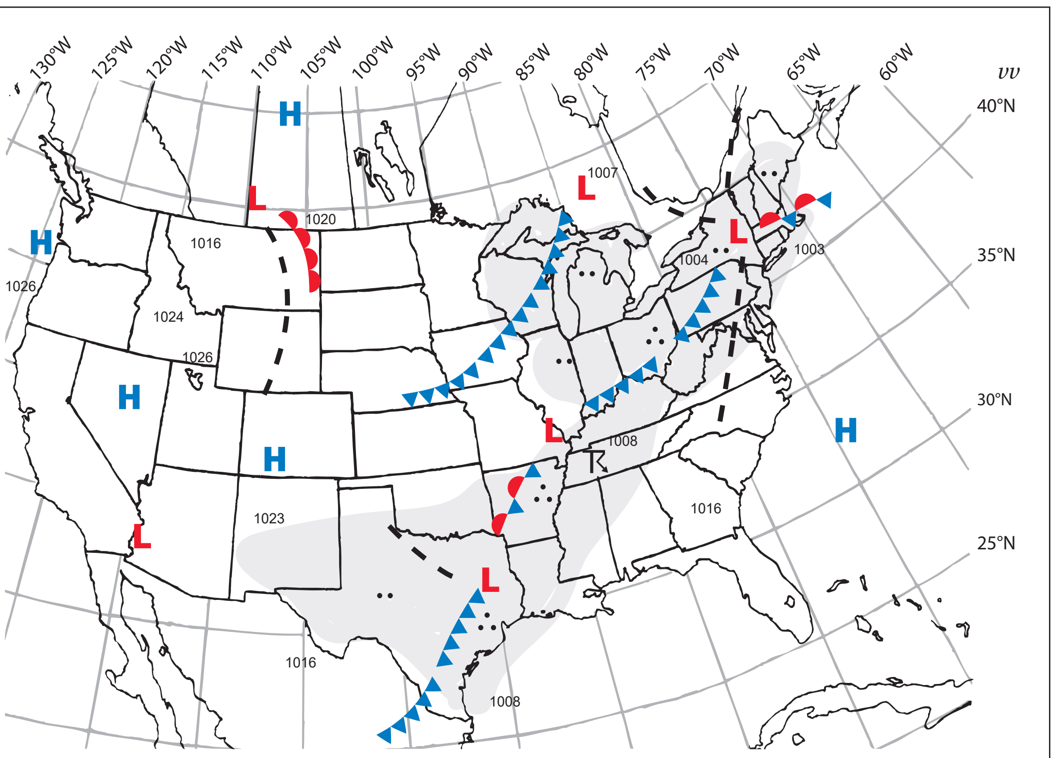
Today: Afternoon showers. High around 56°F (13°C). East wind around 4-8 mph.

Tonight: Rain. Low around 49°F (9°C). East wind becoming south around 5-7 mph.

Friday: Chance rain, otherwise partly sunny. High around 64°F (18°C) and low around 43°F (6°C). West wind around 15-20 mph with gusts up to 33 mph.

Saturday: Mostly sunny. High around 62°F (17°C) and low around 45°F (7°C). Northwest wind around 15-20 mph.

Sunday: Partly sunny. High around 68°F (20°C).



Situation for Noon Eastern Time, Thursday, April 29, 2021

Weather Systems	
H	High Pressure
L	Low Pressure
§	Hurricane

Weather Fronts	
— — —	Trough
◓◓◓◓	Warm Front
▲▲▲▲▲	Cold Front
▲◡▲◡	Stationary Front

Precipitation Symbols	Snow	Rain
Showers	✻ ▽	• ▽
Light	✻	•
Moderate	✻✻	• •
Heavy	⁂	∴

Other Symbols	
☰	Fog
Ꞧ	Thunderstorm
∞	Haze

Compiled by MIT Meteorology Staff and The Tech

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Pfizer

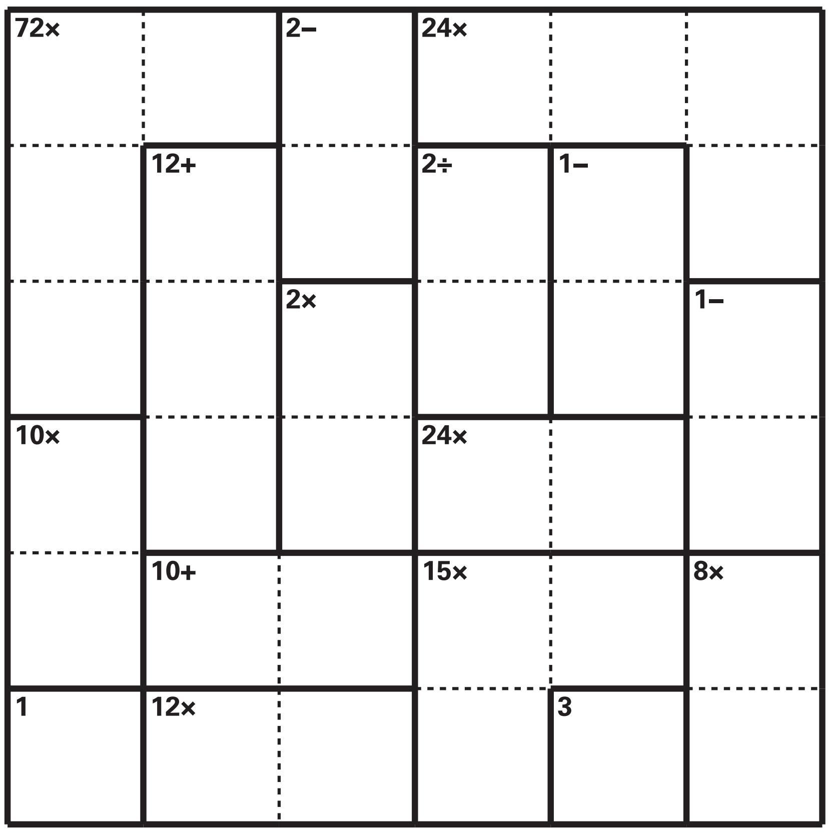
Solution, page 8

1			3	2	8			9
			4		5	8		
						3		
		7		5		4		
3	5		9		4		7	2
		1		3		5		
		3						
		4	7		2			
7			6	1	3			4

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Moderna

Solution, page 8



Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–6. Follow the mathematical operations for each box.

Kids' Wheels by Brad Wilber

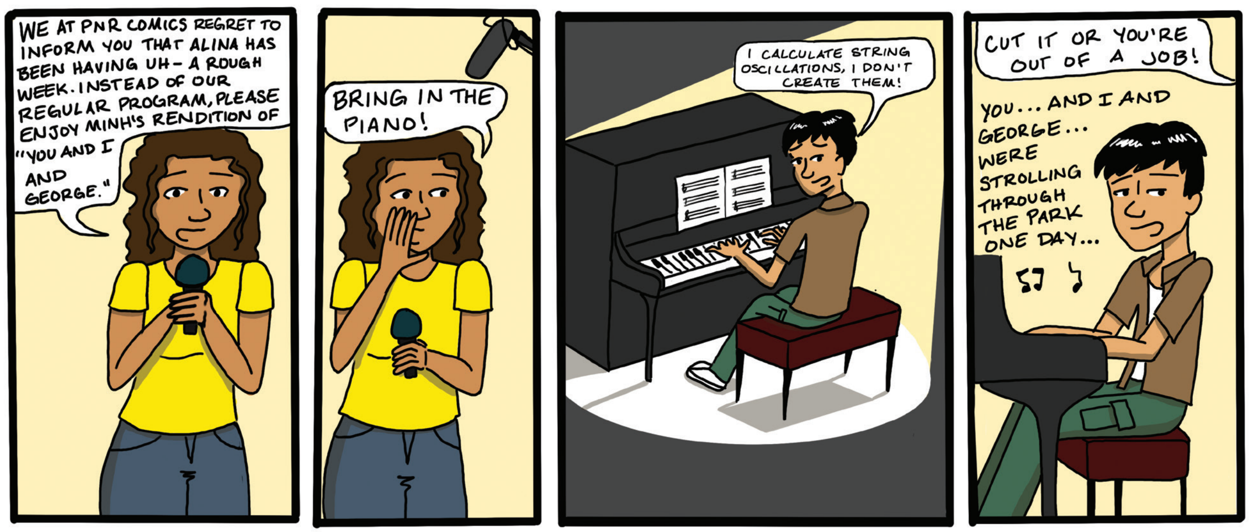
Solution, page 8

1	2	3	4	■	5	6	7	8	■	9	10	11	12	■
13				■	14				■	15				16
17				■	18				■	19				
20				21					■	22				
■	■	■	■	23			■	■	24					■
25	26	27	28			■	29	30			■	■	■	■
31					■	32				■	33	34	35	■
36					37					38				39
■	40			■	41				■	42				
■	■	■	■	43				■	44					
■	45	46	47			■	■	48			■	■	■	■
49					■	50	51				52	53	54	55
56					■	57				■	58			
59					■	60				■	61			
■	62				■	63				■	64			

ACROSS
1 Urge on to do something
5 Cowpoke's chow
9 Reach by telephone
13 Assistant
14 Judge's garb
15 Regions
17 Weaving machine
18 "Now it's clear to me"
19 Cook on a barbecue
20 Foldable baby carriages
22 Having nothing in it
23 Letters after kays
24 Lots of data
25 Eight-note span
29 Four markings in "Mississippi"
31 __ wheat bread
32 Broad-based
33 Earth-friendly prefix
36 Toy carts pulled by tots
40 Corporate leader: Abbr.
41 Sluggers' sticks
42 "Billy" barnyard beasts
43 Drains, as strength
44 Massachusetts metropolis
45 Suspicious, informally
48 Soft metal
49 Extreme obsession
50 Three-wheelers for kids
56 Performed in a play
57 Solemn ceremony
58 Become well again
59 Great courage
60 Immediately, in a memo
61 Fairy tale meanie
62 "Easy __ it!"
63 Implements with ink
64 Small lake

DOWN
1 Buddies
2 Hilarious person
3 Fragrance
4 Showroom sample
5 Car's radiator cover
6 Valentine's Day flowers
7 Lyft's ridesharing rival
8 Hive insects
9 Insertion symbols
10 Fragrance
11 Made a jump
12 Stands the test of time
16 Enclosure for pigs
21 Not at all bumpy
24 Meal in a slow cooker
25 Hooting bird
26 Fashionable
27 Carryall bag
28 Voice above tenor
29 Weight-loss plans
30 Gambling probabilities
32 Cover a present in paper
33 Swelled heads
34 Layer of paint
35 Hang __ (keep)
37 Auction website
38 Deep distress
39 Nine-digit ID
43 Shields from the sun
44 Upper-arm muscles
45 Confronted
46 Opening statement, for short
47 Kitchen strainer
48 Baron of industry
49 Guy
50 Sandy golf hazard
51 Move higher
52 Karate stroke
53 Brand of toy bricks
54 Deserve to receive
55 Snow vehicle

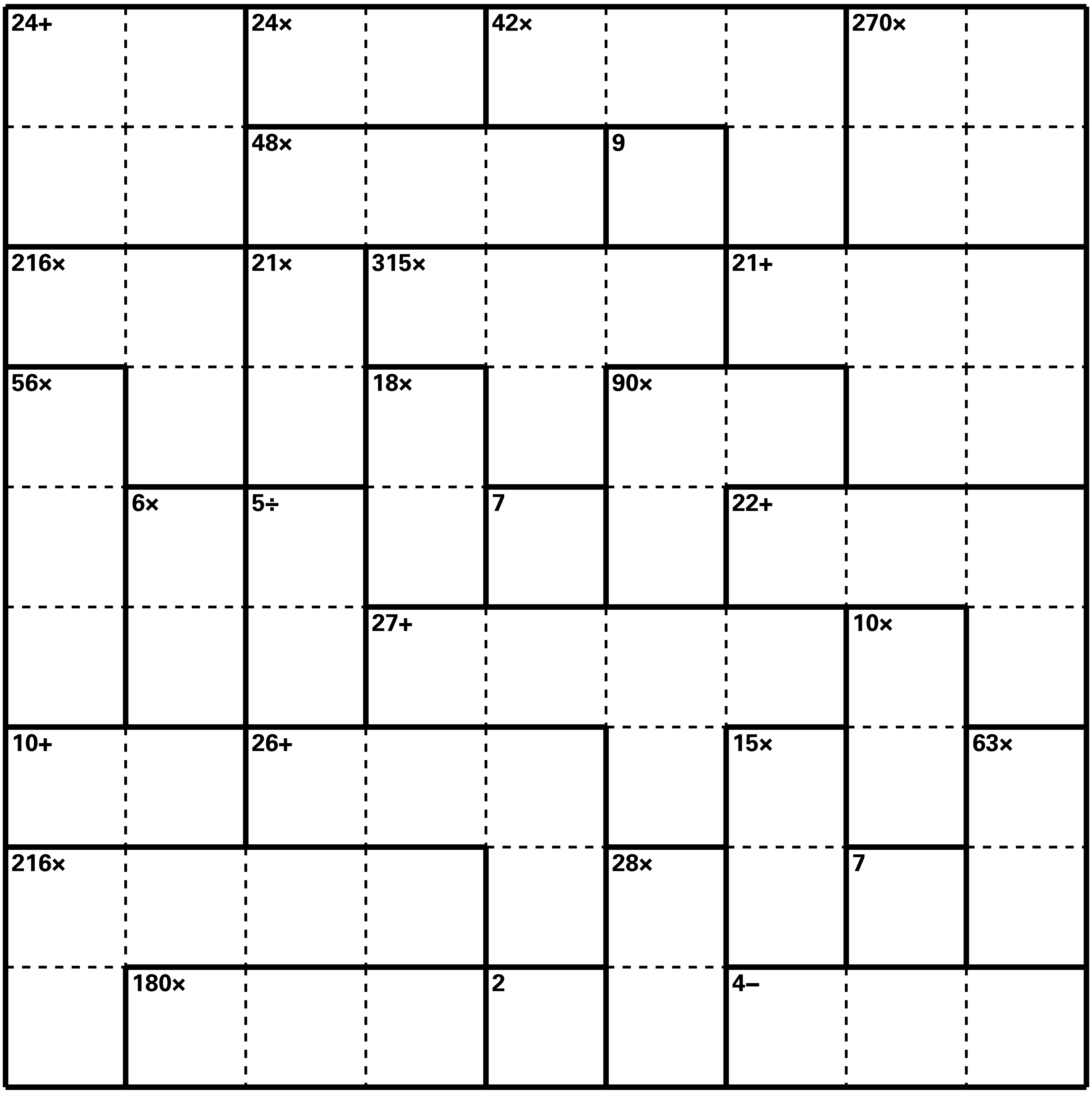
Interlude by Alina Sarmiento


WE AT PNR COMICS REGRET TO INFORM YOU THAT ALINA HAS BEEN HAVING UH– A ROUGH WEEK. INSTEAD OF OUR REGULAR PROGRAM, PLEASE ENJOY MINH'S RENDITION OF "YOU AND I AND GEORGE."
BRING IN THE PIANO!
I CALCULATE STRING OSCILLATIONS, I DON'T CREATE THEM!
CUT IT OR YOU'RE OUT OF A JOB!
YOU... AND I AND GEORGE... WERE STROLLING THROUGH THE PARK ONE DAY...

"You and I and George" (the worldwide sensation) was first performed by Rowlf on the Muppet Show

Johnson & Johnson

Solution, page 8



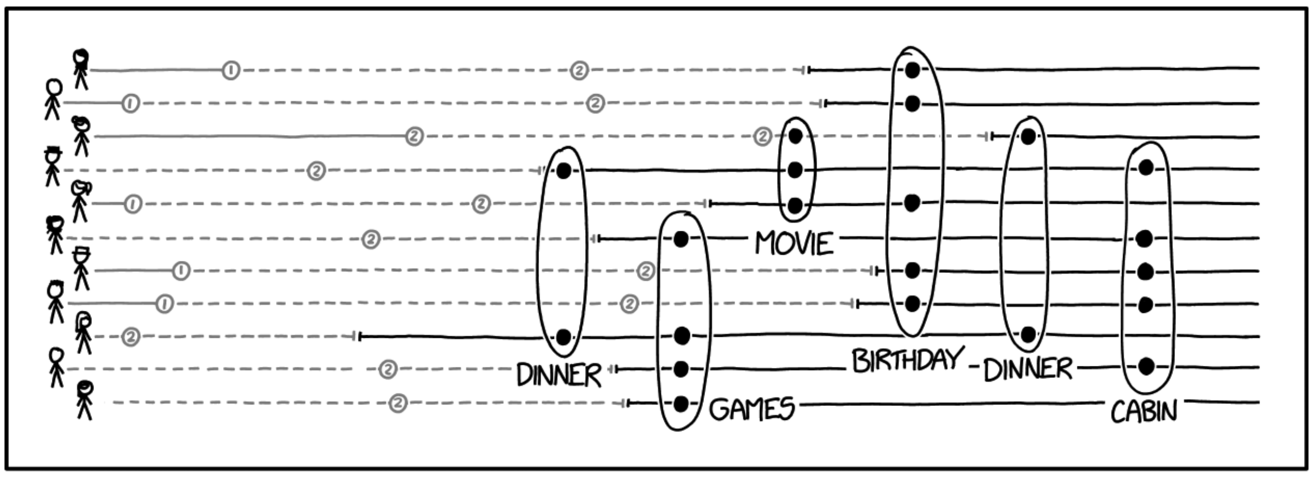
Instructions: Fill in the grid so that each column and row contains exactly one of each of the numbers 1–9. Follow the mathematical operations for each box.

xkcd

A webcomic of romance, sarcasm, math, and language

by Randall Munroe

[2450] Post Vaccine Social Scheduling



POST-VACCINE SOCIAL SCHEDULING

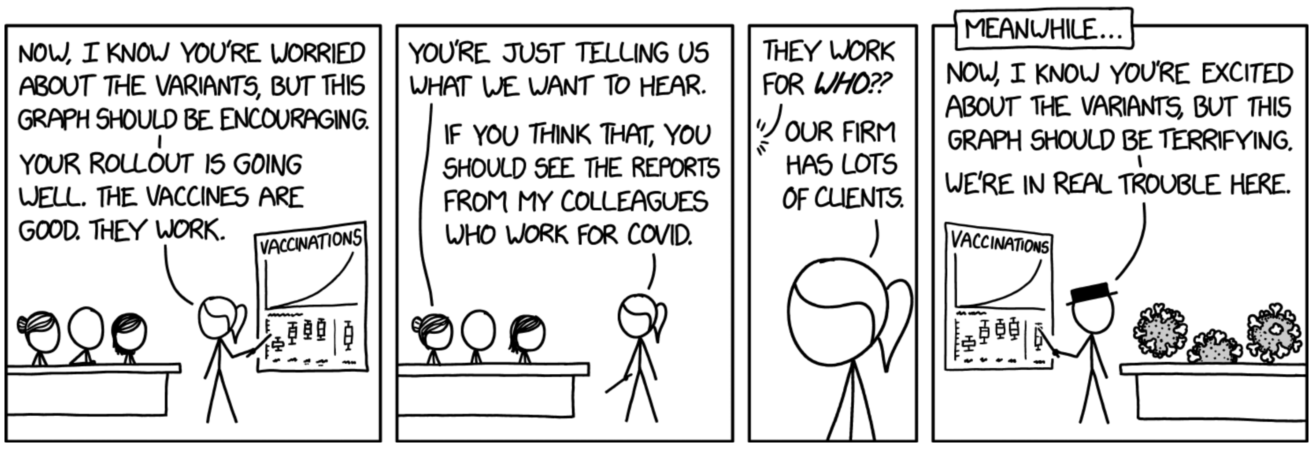
As if these problems weren't NP-hard enough.

xkcd

A webcomic of romance, sarcasm. math. and language

by Randall Munroe

[2455] Virus Consulting


NOW, I KNOW YOU'RE WORRIED ABOUT THE VARIANTS, BUT THIS GRAPH SHOULD BE ENCOURAGING.
YOUR ROLLOUT IS GOING WELL. THE VACCINES ARE GOOD. THEY WORK.
VACCINATIONS
YOU'RE JUST TELLING US WHAT WE WANT TO HEAR.
IF YOU THINK THAT, YOU SHOULD SEE THE REPORTS FROM MY COLLEAGUES WHO WORK FOR COVID.
THEY WORK FOR WHO??
OUR FIRM HAS LOTS OF CLIENTS.
MEANWHILE...
NOW, I KNOW YOU'RE EXCITED ABOUT THE VARIANTS, BUT THIS GRAPH SHOULD BE TERRIFYING.
WE'RE IN REAL TROUBLE HERE.
VACCINATIONS

All our teams make an effort to stay optimistic, but I will say that once our virus division saw the vaccine efficacy data, they started asking for payment up front.

AstraZeneca

Solution, page 8

	2				9			7
6				7		2		
	4		2	3			6	
					5	8	9	
1			9		2			4
	8	5	3					
	9			5	3		4	
		8		2				9
3			7				1	

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

ME VS. ME

A laundry list of decision-making advice

If only this were a video game where I could go back and retry each time I made the wrong choice

By Joanna Lin
PUBLISHER

This past week, I had five days to decide between taking a position abroad for the next year or staying in Boston and chilling out with my friends during their senior year. I like to think that I'm not a particularly indecisive person. It's pretty easy for me to pick something random to order at a restaurant or put on a movie that I'll probably enjoy, because those things don't really have that big of an impact on my overall life.

As someone who tries their hardest to meticulously plan their entire life, I don't often have to make big life decisions in such a short period of time. But, obviously, the pandemic threw my perfect four-year plan out the window, and I was left choosing between an adventure of a lifetime or a guaranteed good time with my friends in a city I know and love.

Aside from the light-hearted jokes to flip a coin, I received a lot of incredibly useful advice, as well as some lines that sent me spiraling, so I thought I'd share them for anyone else agonizing over a decision.

"Saying yes to one thing means saying no to another." My friend perfectly encapsulated my original dilemma with this sentence. It reminded me of the movie Mr. Nobody (2009), where a child had to choose between his parents, who are going through a divorce. The movie details multiple lives and paths that would come from either choice. I often thought about decisions as deciding to live one life and killing off all the others. And I usually don't want to kill off the other possibilities; I want to play a video game where I can finish one storyline and go back to play through every other one. But in some sense, it would be greedy to want to live more than one life when we're all given just one.

> **Saying yes to one thing means saying no to another.**

"The things that I thought really mattered back then turned out not to matter at all." This line directly referenced my worries about FOMO. As 2022s, my classmates and I have already lost our Ring Delivery, and by graduating this year, I would be leaving my class behind. I wanted to attend Senior Ball, meet the incoming first years, and continue to play my part in the clubs that have become home for me. This sentence reminded me of things I had held out for in the past that turned out to be minimally important (read: skipping my CPW because I thought I **had** to stay and do something else).

> **The things that I thought really mattered back then turned out not to matter at all.**

"There's no wrong choice." At first, this one really frustrated me. I'd heard it before, from the same people, and I just wanted a more definitive answer. Ultimately, I realized I wanted someone else to make the choice for me, so that if I regretted it in the future, at least it wouldn't have been my fault. While that tactic worked for my chemistry lab mate choosing a mystery amino acid, there was no way that anyone else could make this kind of decision for me. But after really letting it sink in, I realized they were right. In the same vein was the advice, "You're smart; if you can't distinguish a right choice, it's because both options are equally good or equally bad." Clearly I had two equally good options, and regardless of which I chose, as long as I am doing something that I am happy doing next year, it would be worth it.

"We'll support your choice no matter what." Coming from friends and family, this meant so much to me. Sure, leaving everything behind means I would need to regrow a support network, but I also worried it meant I would leave a me-sized hole here in Boston. Being reminded that video chat does in fact exist and that my relationships here wouldn't fizzle out helped give me the peace of mind to make the best decision for me.

So, to the adMITs still mulling over where to attend university, the friends choosing internships and next semester's classes, and my peers choosing their next step in life: as long as we make the most of the decisions we make, we'll be alright.

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join@tech.mit.edu

Solution to Kids' Wheels

from page 5

P	R	O	D		G	R	U	B		C	A	L	L	
A	I	D	E		R	O	B	E		A	R	E	A	S
L	O	O	M		I	S	E	E		R	O	A	S	T
S	T	R	O	L	L	E	R	S		E	M	P	T	Y
				E	L	S			S	T	A	T	S	
O	C	T	A	V	E		D	O	T	S				
W	H	O	L	E		W	I	D	E		E	C	O	
L	I	T	T	L	E	R	E	D	W	A	G	O	N	S
	C	E	O		B	A	T	S		G	O	A	T	S
				S	A	P	S		B	O	S	T	O	N
	F	I	S	H	Y			T	I	N				
M	A	N	I	A		T	R	I	C	Y	C	L	E	S
A	C	T	E	D		R	I	T	E		H	E	A	L
N	E	R	V	E		A	S	A	P		O	G	R	E
	D	O	E	S		P	E	N	S		P	O	N	D

Solution to Pfizer

from page 5

1	4	5	3	2	8	7	6	9
9	3	6	4	7	5	8	2	1
8	7	2	1	9	6	3	4	5
6	9	7	2	5	1	4	3	8
3	5	8	9	6	4	1	7	2
4	2	1	8	3	7	5	9	6
2	1	3	5	4	9	6	8	7
5	6	4	7	8	2	9	1	3
7	8	9	6	1	3	2	5	4

Solution to Moderna

from page 5

6	1	5	4	2	3
4	5	3	2	6	1
3	4	2	1	5	6
2	3	1	6	4	5
5	6	4	3	1	2
1	2	6	5	3	4

Solution to Johnson

from page 6

5	4	8	3	1	6	7	9	2
8	7	2	6	4	9	1	3	5
9	8	3	7	5	1	2	4	6
4	3	7	2	9	5	6	8	1
2	1	5	9	7	3	4	6	8
7	6	1	5	3	8	9	2	4
1	9	4	8	6	2	3	5	7
3	2	6	1	8	4	5	7	9
6	5	9	4	2	7	8	1	3

Solution to AstraZeneca

from page 7

5	2	1	8	6	9	4	3	7
6	3	9	5	7	4	2	8	1
8	4	7	2	3	1	9	6	5
4	7	2	6	1	5	8	9	3
1	6	3	9	8	2	5	7	4
9	8	5	3	4	7	1	2	6
2	9	6	1	5	3	7	4	8
7	1	8	4	2	6	3	5	9
3	5	4	7	9	8	6	1	2